

CURRICULUM VITAE

NAME: CHALAPATHI. RAO.ADIDAM.VENKATA

SEX: Male

Current Post: Professor- Anatomical Pathology.

ADDRESS: Department of Para Clinical Sciences, Unit of Pathology/Microbiology, Faculty of Medical Sciences, The University of the West Indies, ST. AUGUSTINE.
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RESIDENCE: #3, Santa Margarita Cir. Road. ST. AUGUSTINE

Medical Registration: **Full Registration with Specialist Registration**
Medical Board of Trinidad & Tobago

QUALIFICATIONS:

Medical

- 1988 MD Pathology, Mangalore University
- 1986 DCP (Diploma in Clinical Pathology), University of Mysore
- 1984 MBBS, University of Mysore, India

Others

- 2012 Certificate in Scholarship of Teaching and Learning- University of British Columbia {SoTL Leadership: UBC Faculty Certificate Program on Teaching and Learning in Higher Education}
- 2009 Diploma in Law, University of London
- 1990 Diploma in Computer Applications, Manipal University

APPOINTMENTS

Academic

- 1. 1988-1990 Lecturer in Pathology, Manipal University
- 2. 1990- 1993 Assistant Professor, Manipal University
- 3. 1993-1994 Reader in Pathology, Manipal University
- 4. 1995 Associate Professor, Manipal University
- 5. 1995 to 2010 Lecturer, Anatomical Pathology, UWI, St. Augustine
- 6. 2010 to 2017 Senior Lecturer, Anatomical Pathology, UWI, St. Augustine
- 7. 2013 to 2016 Head of Paraclinical Sciences
- 8. Feb 2017 Professor –Anatomical Pathology

Hospital appointments

- 1. 1988 -1995: Officer-in-Charge, Clinical Laboratory, Manipal Hospital.
- 2. 1996 to date: Consultant (Part-Time), EWMSC, Mount Hope, Trinidad.
2012-2013 &
2017- to date Head (Ag.), Laboratory Services, EWMSC, Mt. Hope.
- 3. 2008 to date: Consultant (Part-Time), POSGH, Trinidad

Number of years of experience

I have over 32 years of teaching experience in both the didactic and the problem based learning methodologies. I have taught at the undergraduate and the postgraduate levels. I have worked as Consultant in Pathology for more than 30 years providing diagnostic pathology services at various hospitals.

I. TEACHING/LEARNING RESPONSIBILITIES

A. Faculty of Medical Sciences

a. UNDERGRADUATE

1. Lectures - Schools of Medicine, Veterinary Sciences, Dentistry and Pharmacy. **1995 – to date**
2. Courses MDSC 1002, 3311, 3312, 3313, 3314 - Problem based learning sessions, Case presentation and discussion. **1995 – to date**
3. Lectures for Year 2, Course MDSC 2102. **2005- to date**
4. Resource person in Anatomical Pathology for School of Medicine. **1995 – to date**
5. Planning, Organizing and Implementation teaching Schedules in Anatomical Pathology. **1995 – 2017**
6. Research Supervisor – School of Medicine – Public Health.
 - A. **A two year hospital based study of Lung Cancer with reference to histological subtypes, demographic and risk factors and presenting stage.2018-2019.**
 - B. **The Incidence, Etiology, Risk Factors and Outcomes of Aortic Aneurysms; an Autopsy Study, 2017-18**
 - C. The incidence and preventable risk factors of mortality due to pulmonary embolism in Trinidad and Tobago, 2015-2016
 - D. Epidemiology and Attitudes towards Leprosy, 2013-14
 - E. Abnormal cervical pap smear results: A 2- year review of pap smear results and analysis of clinical findings: 2012-13.
 - F. Incidence, diagnosis and outcomes of appendicitis in Trinidad and Tobago: a two year retrospective study: 2011-12
 - G. The trends and patterns of breast disease among women biopsied at EWMSC and SFGH during the period of January 2002 to December 2003.

b. POSTGRADUATE

1. Support and Training in histopathology M.Phil. Pharmacology
 - a. **2003-2005** Ms. Cindy Bhagwandeem: Formulation and In-vivo evaluation of a drug delivery system containing a chelating agent for the treatment of iron overload
 - b. **2010** Miss AJ Williams: Hepatoprotective activity of *leonotis nepetifolia (lamiaceae)* against acetaminophen – induced toxicity in Swiss albino mice
2. Examiner M.Phil. Anatomy. Ms.Michelyn Carla Phillips – **2010**
3. Preparation of Course outline and Objectives for Anatomical Pathology in DM Ophthalmology- **2009 to 2011**

4. Lectures and Seminars in DM Ophthalmology. **2009 to 2011**
5. Lectures for DM Orthopedics -2003
6. Lectures DM –Surgery: 2014
7. Examiner – DM Surgery 2015 to date
8. Chair for PhD Oral Examination:

A) **Dr.Satish Jankie: Title:** *“In-vitro efficacy of noisome encapsulated fluoroquinolones against ciprofloxacin resistant bacterial strains and the in-vivo evaluation of noisome entrapped levofloxacin against ATCC strains of pseudomonas aeruginosa and staphylococcus aureus in an infective rat model” March 2016.*

B) *Ms. Arlene Villarroel - Stuart “Investigation of perception of generic drugs among patients, physicians and pharmacists resulting in formulation development and evaluation of metformin hydrochloride dispersible tablets.” May 2019.*

B. INTER FACULTY /SCHOOLS

- **Faculty of Agriculture and Natural Sciences**

- 1) BSc.-Optometry Developed Course structure, syllabus, specific objectives in General Pathology. **2009 to 2016**
- 2) Lectures, Laboratory training. **2009 to date**

- **School of Continuing Education**

- Developed course structure, syllabus, and objectives in Cytology and lectured for Certificate Course in Cytoscreening. **2007**

C. EXTRA MURAL TEACHING/Research

1. *Thoracic Surgery and General Surgery MDT since 2017*
2. Research Supervisor- Ms. Latoya Lamotte (BSc –MLT): Shorter tissue processing times; A Comparison of conventional and microwave based methods- A pilot study”**2015-16**
3. Postgraduate Anatomical Pathology Seminars at Manipal University, India. **2008, 2010, 2013**
4. Case discussions in Nephrology at Eric Williams Medical Sciences Complex, North Central Regional Health Authority. **2005 to date**
5. Case discussions in Dermatopathology, Department of Pathology, General Hospital, Port-of-Spain, **2008- to 2010.**
6. Training of Laboratory Technicians for COSTAATT (College of Science Technology and Applied Arts of Trinidad and Tobago) **2000-2002.**

D. EXAMINATIONS

1. University Examiner for MDSC 3311. **2009-2010**
2. University Examiner (2nd) for BSc Optometry. **2009-to 2013**
3. Examiner for Year I MDSC 1002 **1995- to date**
4. Examiner Year III (MDSC 3311, 3312, 3313, 3314). **1995- to date**
5. University Examiner (2nd) for BSc Optometry. **2013 to 2016**

II. EVALUATION OF TEACHING

Student ratings of my teaching as a PBL Tutor range from Excellent to Very good. Evaluation Scores ranged 4-5 out of a maximum of 5 over the past several years. Student Assessment of Teaching in the Clerkship, large group teaching activities and as Course Convenor has been very good/excellent. Students appreciated the excellent quality and clarity in presentation and structure. Peer evaluation on my teaching has been very good.

II. INNOVATIONS /DEVELOPMENT OF TEACHING RESOURCES

A) ESTABLISHED (1997) and Maintaining (to date) THE PATHOLOGY MUSEUM AT THE FACULTY OF MEDICAL SCIENCES, UWI.

I took on the responsibility for planning, execution and implementing this project, which I oversee to the current time. Students from the Schools of Medicine, Dentistry, Veterinary Medicine at the FMS and the Faculty of Agriculture and Natural Sciences (Optometry) use this resource. **This is the only Pathology Museum in the UWI.** Established in 1997, the Museum is currently used as a teaching and learning and examination resource for medical students in the Preclinical, Para clinical and Clinical courses.

The work involved:

- a) Planning and building the infrastructure to display the organ/tissue specimens
- b) Pathology specimens were dissected, mounted and displayed. Currently over 200 specimens are on display and are arranged according to the organ systems.
- c) Over 500-page files of literature relevant to the clinic-pathological scenario of the various specimens have been completed
- d) Updating and maintenance of museum
- e) Provided audio-visual aids for learning of anatomical pathology- Microscope with Histopathology slides available on working days to study at students convenience. Computer with case based data on specimens.

- B) Conceptualized and prepared Anatomical Pathology clerkship manual to facilitate self-directed learning during the rotating pathology clerkship **2007-to date**
- C) Prepared teaching manual for Medical Laboratory Technology students 2003
- D) Initiated plastination of Museum Specimens

IV: AWARDS

UWI/Guardian Life Premium Teaching Award- 2012

V. LEADERSHIP POSITIONS

1. Head of the Department-Paraclinical Sciences- 2013- to date
2. Unit Coordinator – Pathology and Microbiology. 2008-to 2013
3. Chairman, Examination Core Committee, Dept of Paraclinical Sciences 2012-13
4. Chairman of Educational Resources Subcommittee for CAAM-HP, 2011, 2014
5. Chairman of FMS @ 25 celebrations Subcommittee, 2014-15
6. Chairman of Timetable Committee. 2008 to 2013
7. Chairman of Staff-Student Liaison Committee. 2009 to 2012
8. Chairman, Curriculum Development for Paraclinical Sciences. 2008-9
9. Head of the Department (Ag.) November 2010, June 2011
10. Member, Caribbean Accreditation Committee for Medical and Health Professionals. 2010 to 2013
11. Deputy Dean (Ag.)- Graduate Studies and Research; Dec 2014, June 2015
12. Deputy Dean (Ag.), BHS- Aug 2009, 2011
13. Course Convenor for Year III MBBS programme-MDSC3311, 2009-2010 and MDSC 3314 – 2011-2012
14. Member of Faculty Executive Committee -2013 to date
15. Member of Graduate Studies & Research Committee - 2013 to date
16. Member of Phase I Committee - Basic Health Sciences. 2009 to date
17. Member of Curriculum Harmonization Committee 2010 to date
18. Member of the Course committee for MDSC 3311. 2009 to date
19. Member of the Course committee for MDSC 3312, 2009 to date
20. Member of the Course committee for MDSC 3313, 2009 to date
21. Member of the Course committee for MDSC 3314, 2009 to date
22. Member of the Course committee for MDSC 1002, 2009 to date
23. Member of the Course Committee - MDSC 2102. 2007 to date
24. Member of RHA-UWI joint committee; 2015

25.

VI. CONTRIBUTION TOWARDS COURSE DEVELOPMENT, REVISION AND ORGANIZATION

1. *DM-Anatomic Pathology. Approved. To be implemented in 2020*
2. *Developed programme: MSc in Forensic and Investigative Sciences 2012-2015 and approved for implementation.*
3. Developed New Paraclinical Science Courses in conformity with the New Semester based and GPA system mandated by The University of the West Indies. **2008 – 2010.**
4. As Chairman of the Committee, I steered the process setting up the New Curriculum. I was responsible for review of Credit calculations, assignment of Credit hours, evaluation of Course contents and division of contents along the basis of organ systems to dovetail with the structure and duration of the Courses.
5. Conducted Course evaluation after the introduction of the New Paraclinical Sciences Courses in **2009-2010**
6. I was given the responsibility to spearhead the preparation of the **first new continuous assessment format of PDQ** (Progressive Disclosure Questions) for the Course MDSC 3311 with the assistance of Center for Medical Sciences Education.
7. Member of Course Development Committee for Year 1, 2 & 3- Paraclinical Sciences. I contributed to a number of cased based problems in the preparation of PBL booklets and revised problems based on student feedback **1996- to date**
8. I was assigned to develop the New extended Year III programme to harmonize with other campuses. The prepared document awaits implementation by the Faculty
9. Participated in the reforming the assessment methodologies for the courses in Year 3-Paraclinical Sciences, **2008- to date**

VII RESEARCH AND PUBLICATIONS

A. Publications in Peer Reviewed Journals

1. Adidam SR, Seenath M, Adidam Venkata CR, et al. Inflammatory Myoglandular Colonic Polyp with Adenomatous Changes Mimicking Malignant Tumor. Clin Image Case Rep J. 2021; 3(8): 182
2. E Mohammed, A Ramrattan, R Poon-King, A Bissessar, A Ramesar, S Giddings and AVC Rao. Anti-glomerular basement membrane disease case series in Trinidad and Tobago. Nephrol Renal Dis, 2021 doi: 10.15761/NRD.1000179

3. B Shivananda Nayak, Vincent Rodrigues, Chalapathi Rao.AV. Evaluation of hypoglycemic and hepatoprotective activity of *Moringa oleifera* and *Morinda citrifolia* leaf extracts in diabetic rats; a comparative study. *Ann Res Antioxid.* 2020; 5: e02
4. Divakaruni A. K, Mahabir B, Orrett FA, Adidam S. R, Chalapathi Rao A.V, Adidam Venkata S, Divakaruni S. Compliance and Treatment Outcomes of Various Regimens for Trichomoniasis in Trinidad and Tobago. (2019). <https://www.mdpi.com/2076-3271/7/10/97>, Pub Status: Published
5. Aruna Kumari Divakaruni, Bisram Mahabir, FA Orrett, Sneha Rao A, Srikanth Adidam, Vijay Kumar Chattu and Chalapathi Rao A.V. Comparative Analysis of Various Diagnostic Methods for Trichomonas Vaginalis Infection in Trinidad and Tobago. *American Journal of Infectious Diseases* 2018, Volume 14, Issue 2; Pages 82-88.
6. Divakaruni AK, Mahabir B, Orrett FA, Rao AS, Srikanth A, Chattu VK, Chalapathi Rao A.V. Prevalence, clinical features, and diagnosis of Trichomonas vaginalis among female STI clinic attendees in Trinidad. *J Family Med Prim Care* 2018;7:1054-7
7. Chalapathi RAV, Srikanth U, Haqq W (2017) Vulvar Fibroadenoma: Case report and review of literature. *MOJ Clin Med Case Rep* 6(6): 00185
8. Wayne A. Warner, Vandana DS , Maurice F, Meenakshi A, Chalapathi Rao Adidam Venkata, Mohammed W, Cassandra Ramkissoon, Dave Harnanan, Lemuel Pran, and Ravi Maharaj. Clinicopathology and treatment of a giant malignant phyllodes tumor of the breast: A case report and literature review. *Int J Surg Case Rep.* 2017; 41: 259–264
9. Ravi Maharaj, Vandana Devika Sookdeo, Maurice Fortuné, Meenakshi Akhilesh, A.V.C. Rao, et al, 2017. Pelvic exenteration case series: A single surgeon's experience at one institution in Trinidad and Tobago; *International Journal of Surgery Case Reports*, Volume 34, Pages 4-10
10. Bukelo MM, **Srikanth U**, Sharada R, Rao AVC. 2015. Adenomatoid tumor of the Fallopian tube: A rare case report and review of literature; *International Journal of Medical and Applied Sciences*; 4(1):4-7. ISSN 2320-31337
11. Bijoor Shivananda Nayak, Surrin Ramlogan, AV Chalapathi Rao, Sandeep Maharaj. 2014. *Neurolaena lobata* L. promotes wound healing in Sprague Dawley rats. *International Journal of Applied and Basic Medical Research*, Vol 4, Issue 2. (ISSN: 2227-5053; **Universal Impact Factor = 1.2001, Citations-0**)

12. Srikanth U, Pai R, Bukelo Mm, and **Rao AVC**. 2014. Primary Pleural Liposarcoma: A Case Report and Review of Literature International Journal of Medical and Applied Sciences; Volume 3, Issue 3. ISSN 2320-31337
13. Hellen Asemota¹, Suzette Curtello, Angel Alberto Justiz Vaillant, Wayne Mohammed, Sehlule Vuma, Chalapathi Rao AV, Arvind Kurhade, Shivrinarine Kissoon, Monica Smikle, Brian Wisdom and Geeta Kurhade. 2013. Purification of Avian IgY with Trichloroacetic Acid (TCA). J Chromatograph Separat Techniq 4: 205. (ISSN: 2157-7064; Impact factor: 1.74; Citation -1)
14. Angel Alberto Justiz Vaillant, Suzette Curtello, Monica Smikle, Brian Wisdom, Wayne Mohammed, Sehlule Vuma, Geeta Kurhade, Norma McFarlane-Anderson, Chalapathi Rao, Shivrinarine Kissoon. 2013. Identification of Proteins in Tissue Fluids of the sea mussel *Isognomon alatus*. J Chromatograph Separat Techniq 4: 203. doi:10.4172/2157-7064.1000203 (ISSN: 2157-7064; Impact factor: 1.74; Citation - 0)
15. Angel A. Justiz Vaillant, Patience E. Bazuaye, Norma McFarlane-Anderson, Monica P. Smikle, Horace Fletcher, Patrick E. Akpaka and Chalapathi Rao. 2013: Seroprevalence of Anti-HIV Antibodies in Women with Abnormal Pap Smears in Jamaica. *British Journal of Medicine & Medical Research* 3(4): 2197-2202, *SCIENCEDOMAIN international* www.sciencedomain.org. (ISSN: 2231-061, impact factor; 31, Citation=0)
16. Bidyadhar SA, Stella Williams, Rao A.V.C. and Pinto Pereira, L. M. 2013. **Students' Perception of New Revised Para-Clinical Sciences Curriculum in a Caribbean Medical School: A 3-year questionnaire based study. International J. Soc. Sci. & Education.** Vol.3 Issue4. ISSN:2223-4934(e), Global impact factor 0.4, Citations=0)
17. Bidyadhar Sa, Vijay Naraynsingh, A. V. C. Rao and Stella William. 2012. Students' Rating on Effectiveness of Problem Based Learning and Skills Laboratory Training in the Phase I MBBS Program. **Journal of US-China Medical Science.** Volume 9, Number 3, March (Serial Number 88). ISSN 1548-6648, Impact factor: NA, Citation=0.
18. Patrick E Akpaka, Stefan Monecke, William H Swanston, AV Chalapathi Rao, Renee Schulz and Paul N Levett. 2011. Methicillin sensitive Staphylococcus aureus producing Panton-Valentine Leukocidin (PVL) gene in Trinidad & Tobago: a case report. Journal of Medical Case Reports, 5:157, **ISSN:** 1752-1947, Impact factor: 0.40, Citations= 10
19. Sherry Sandy, Maria Rios, Saeeda Mohammed , Chalapathi V. Rao, Parmanand Maharaj, Terence A.R. Seemungal. 2011. Sarcoidosis in a 42 year old Afro Caribbean male who presented with a Pulmonary Embolism: a

case report and review of the literature. Caribbean Medical Journal. Vol.73 No. 2 Dec. pp18-20. ISSN 0374-7042, Impact factor: 0

20. Suresh R Rao, Ovchinnikov Nikolai, Jagessar Avinash, Ramesh T Rao, Somu S Gajula, Chalapathi A.V.Rao. 2011. An unusual case of congenital anomaly of the heart. *Rev Arg de Anat Clin*,; 3 (1), ISSN 1852 8023,
21. Sharma A, Jaimungal S, Basdeo-Maharaj K, Chalapathi Rao AV, Teelucksingh S. 2010 . Erythema migrans-like illness among Caribbean Islanders. *Emerg Infect Dis. Oct; [Epub ahead of print] ISSN 10806059, Impact factor;7.32, Citations=4*
22. Nayak BS, Kanhai J, Milne DM, Swanston WH, Mayers S, Eversley M, Rao AV. 2010. Investigation of the Wound Healing Activity of Carapa guianensis L. (Meliaceae) bark Extract in Rats using Excision, Incision and Dead Space Wound Models. *J Med Food. Oct; 13 (5):1141-6.* ISSN: 1557-7600;Impact factor:1.699 citations =12
23. Roberts L, Rao AV, Jurawan T, Mohammed B. 2009. IgA nephropathy in the Caribbean- case reports. *WIMJ. Jan; 58(1): 72-5 (ISSN 0043-3144;Impact factor0.3; Citation=2)*
24. A.D. Kumari, B. Mahabir, **Rao A.V.C.** Secondary Syphilis in a HIV positive patient masquerading as Reiter's Syndrome. *The Internet Journal of Dermatology. 2008 Volume 6 Number 2 (ISSN: 15313018;*
25. Seetharaman Hariharan, **Chalapathi.Rao A.V.** 2008. Fulminating fatal paradoxical fat embolism without cardiac septal defect – Clinical and histopathological features. *J.Orthopaedics; 5(4) e8 (ISSN 0972-978X,*
26. Suresh R, Ramesh Rao T, Somusekhar Gajula and **Rao A.V.C.** 2008. A rare case of foetal gastroschisis with aplasia of foot and external genital organs. *Congenital anomalies: 48: 140-141(doi:10.1111/j.1741-4520.2008.00194.x* Impact Factor: 0.78, Citations=2)
27. Anatol.T, W.Mohammed, **Rao.C.** 2008. Interstitial Cells of Cajal and Intestinal function in Trinidadian children. *WIMJ; 57(4); 393-397(ISSN 0043-3144;Impact factor0.3; Citation=1)*
28. Aruna Kumari.D, **Rao. AVC** and Mahabir B. 2008. Erythroplasia of Queyrat with Zoon's balanitis-A diagnostic dilemma. *International Journal of STD & AIDS; 19: 861-863 ISSN 1033-0607 (Impact Factor:1.037;citation=7)*
29. BS Nayak, SS Raju, **Rao A.V.C.** 2008. Wound healing activity of Persea Americana (Avacado) fruit: a preclinical study on rats. *JWC (Journal of Wound Care); 17(1): 298: 123-126.* Impact Factor: 1.9,Citations =36

30. **Rao A.V.C**, Wilson J and Sylvester K. 2008. Pulmonary Benign Metastasizing Leiomyoma following Hysterectomy: A Clinicopathologic Correlation. *Journal of Thoracic Oncology*;3(6): 674-676 (1556-0864; Impact factor:5.800; Citations=21)
31. Suresh R, Tantradi TR, Ovchinnikov N, McRae A and **Rao AVC**. 2007. Unusual isolated ossification of Falx cerebri. *Neuroanatomy*; 6: 54-55 (Impact Factor 0.04; citations=3)
32. BS Nayak, SS Raju, F.Orrett and **Rao AVC**. 2007. Effect of Hibiscus rosa sinensis L (Malvaceae) on wound healing activity: A preclinical study in a Sprague Dawley rats. *IJLEW*; 6(2): 70-76 ISSN:1534-7346; Impact factor;1.2: citations=45
33. BS Nayak, SS Raju and **Rao AVC**. 2007. Matricaria recutita Linn. Flower extract has wound healing activity in rats. *JWC (Journal of Wound Care)* 2007; 16(7): 298-302. DOI: 10.12968/jowc.16.7.27061 Impact Factor: 1.9,Citations =29
34. **Rao A.V.C.**, P. Maharaj. 2007: High Cervical Spinal Cord Vascular Malformation masquerading as Guillian- Barre Syndrome: A Case Report. *The Internet Journal of Radiology.*; Volume 5 Number 2 (ISSN: 1528-8404
35. BS Nayak, R.Suresh, **Rao.A.V.C**, GK Pillai, EM Davis V.Ramkissoo and A. McRae. 2005. Evaluation of wound healing activity of Vanda Roxburghii R.Br (Orchidacea) – a preclinical study in a rat model. *IJLEW (International Journal of Lower extremity wounds)*; 4(4): 200-204 ((Print ISSN: 1534-7346 **Impact Factor:** 1.200; citation=24)
36. **Rao AVC**, W Mohammed, C Ragoonan, NE Omo-Igbinomwanhia (2002). Evaluation of estrogen and progesterone receptors and c-erbB-2 in carcinoma of the breast in Trinidadian Women. *WIMJ* ; The West Indian medical journal 51 (1), 4-9 (ISSN 0043-3144;Impact factor0.3; Citation=7)
37. Wayne Mohammed, **A.V.C Rao** and Charran D. 2000. Teratoma or a twin? An unusual presentation of epignathus. *Journal of Obstetrics and Gynaecology*; July/Sept: 428 –429. PubMedID: 15512605;Impact factor 0.611, citations=4
38. Mary M, **AV Chalapathi R**, Ravikala VR, Annamma K. 1999. Evaluation of the NBT test in Children with Recurrent Infection. *Ind J Hemat & Blood Transfusion*;17,(1):42-46 ISSN: 09714502;Impact factor:0.234
39. Balkaran B, Ramcharan J, **Rao A.V.**, Ramanjeneyulu M, Roberts. 1998. LA.Two Afro-Trinidadian siblings with end-stage renal disease. *Annals of*

Tropical Paediatrics.; 18: 249-252. ISSN 0272-4936; **impact factor:** 1.17;citation=1

40. Tony J, Subramanya G, Kallur KG, **Chalapathy. A.V.** 1995. Sheshadri S, Lakhkar B. Proptosis, skull infarction, epidural hematoma in Sickie Thalassaemia. *Postgrad Med. J.*; 71 (837): 445((Impact Factor: 1.55; citations =7)
41. Thomas RV, Hande HM, Shashtri BK, Rao PV, **Rao.A.V.** 1989. Niemann Pick Disease presenting as recurrent episodes of Osteomyelitis, *JAPI* 1995; 43(4): 30-32. *JAPI (ISSN: 00045772). Citations=0, Impact factor: 0*
42. Balasubramaniam R, Aroor AR, Gopalakrishnan K, Shenoy UD, **Rao.A.V** and Rao BK. Preleukemia masquerading as Haemolytic Anaemia due to Multi-enzymopathy of the red cell. *JAPI (ISSN: 00045772)*; 37(3): 239-240. *Citations=2, Impact factor:0*

B. Accepted for publication

1. **Rao. AVC** and W.Mohammed. Perceptions of autopsy practice by the lay public in a developing country. Accepted for publication in the *American Journal of Forensic Medicine and Pathology* - 2006.

C. Conference abstracts/Poster

1. *A two year hospital based study of Lung cancer with reference to histological subtypes, demographic and risk factors and presenting stage. Health Research Day NWRHA, 2019. Awarded 1st Prize.*
2. C.Ramkissoo, R.Khan, **AVC Rao: The colon left behind, Barbados Surgical Conference; 2015**
3. AF Williams, YN Clement, E Uche-Nwachi, S.Nayak and **AVC.Rao** Hepatoprotective activity of leonotis nepetifolia (lamiaceae) against acetaminophen –induced toxicity in swiss albino mice. *WIMJ Supplement Vol 59 (Suppl 2) 1-76, April 2010*
4. Davis G, **Rao AVC** et al. Utility of dipstick analysis as a screening test in the pediatric population experience at Eric Williams Medical Sciences Complex. – *WIMJ, 2005*
5. W Mohammed, **Rao AVC.** “A study of serum and tissue prostate specific antigen and Gleason histologic grade of carcinoma of the prostate in Trinidadian men” Second Biennial conference at Faculty of Medical sciences in Oct 2004

6. **Rao AVC**, W Mohammed, C Ragoonan, NE Omo-Igbinomwanhia. 2002. Evaluation of estrogen and progesterone receptors and c-erbB-2 in carcinoma of the breast in Trinidadian Women. *WIMJ.*; 51(1): 4

D. Dissertation/Thesis: Study of S-100 Protein in Tumour Pathology. Accepted by Mangalore University for award of M.D. Degree in Pathology, 1986

VIII. PRESENTATIONS

1. Breast Cancer: Screening and Diagnosis. The Pathology Club of UWI. October, 2020
2. Inaugural Lecture: The Pathology Club of UWI . August 2020.
3. AVC Rao: *Pathology and laboratory diagnosis of H1N1 and Zika*: “A Call to Arms against H1N1 (Swine flu) and Zika Viruses”; One day Symposium, Tobago.2016
4. AVC Rao: *Pathology and laboratory diagnosis of H1N1*: A Call to Arms against H1N1 (Swine flu) and Zika Viruses’ One day Symposium, TLC UWI; 2016
5. B.Sa, S.Williams, **AVC.Rao**, L. M. Pinto Pereira. Students’ perceptions on the new Para-Clinical Science Curriculum (2009-10) at FMS; UWI; St Augustine” Annual Research Day, Dec. **2010**
6. Sa, B. Naraynsingh, S. Williams, **A.V.C. Rao**. Students’ rating on Effectiveness of PBL and Skills Training in the MBBS Phase-I at FMS, UWI, St. Augustine” Annual Research Day, December **2010**
7. W Mohammed, **Rao AVC**. “A study of serum and tissue prostate specific antigen and Gleason histologic grade of carcinoma of the prostate in Trinidadian men” Second Biennial conference at Faculty of Medical sciences in Oct 2004

IX RESEARCH GRANTS

1. Canine and Human mammary cancers: A comparison of morphologic and phenotypic characteristics 2016, CEC130/02/16;CRP; TT\$ 73,000

2. Role of Immunohistochemistry and Histochemical Studies in Neoplastic Lung Lesions. 2014- Present; Campus Fund Research Grant CRP.3.MAR14.10: Co-Investigator in Campus Research Project:
3. "A pilot study to help determine the prevalence of BRCA1 and BRCA2 mutations in cancer patients from Trinidad, WI". Campus Fund Research Grant: Co-Investigator in Campus Research Project:
4. "Evaluation of estrogen and progesterone receptors and c-erbB-2 in carcinoma of the breast in Trinidadian women" Amount: TT\$ 15000.00 – Campus Research and Publication fund Committee. 1998. **Principal Investigator**
5. A study of serum and tissue prostate specific antigen and Gleason histologic grade of carcinoma of the prostate in Trinidadian men
Amount: TT\$ 10000.00 – Campus Research and Publication fund Committee. 1998-1999. with Dr.W.Mohammed
6. Investigation into the distribution of interstitial cells of Cajal in the large bowel of patients with Hirschsprung's Disease and Idiopathic Constipation.
Amount: ≈ TT\$20000.00 – Campus Research and Publication fund Committee. 2001-2002 with Dr.Trevor Anatol
7. Evaluation of immunolocalization of BRCA1/2 and CHEK2 gene proteins in normal, benign and malignant breast tissue and their correlation with BRCA mutations
Amount: ≈ TT\$85000.00 – Campus Research and Publication fund Committee. **2007. Principal Investigator**
8. Prevalence, diagnosis and treatment of Trichomoniasis: A STI clinic based study in Trinidad.
 - a. Collaboration: Ministry of Health (QPCC&C), NACC and UWI
 - b. Status: Approved by Ethics committee, **Final Technical report submitted**
 - c. Funding: NACC/World Bank. Amount, **2007**, TT\$ 200,000
 - d. Principal Investigators: Dr.Aruna Kumari/**AVC Rao**
- X. Journal Reviewer: 1. International Journal for STD and HIV.
2. **JSM Surgical Oncology and Research**
- XI. **Establish Advance diagnostic service and fund raising activity**
 1. Established and a lead provider of services of Immunofluorescence study of renal and skin biopsy provided to all patients in the country through UWI. Since 2009.
 2. Introduced Receptor study for Breast Cancer: May 2015.

3. Establishment Transmission Electron Microscopy Service in collaboration with FST- Work in Progress.
4. Establishment of Molecular Diagnostic Services: Work in Progress

XII. VISITING FELLOWSHIPS

- a. Electron Microscopy in Renal Disease” at the Mc.Master University, Hamilton Health Sciences, Ontario, Canada from July 13 to July 17, 2015
- b. Nephropathology with special reference to immunofluorescence at St. Joseph’s Health Center/ University of Toronto, CANADA. September **2006.**
- c. National Institute of Mental Health and Neurosciences, Neuropathology Department. Bangalore, India. July – August, **2006.**
- d. Kidwai Institute of Oncology, Department of Pathology Bangalore, March **2001.**
- e. University of Miami, School of Medicine- Jackson Memorial Hospital to learn molecular techniques in Pathology– April 2001.
- f. Visiting Fellowship to King’s College and Hospital, Department of Hematopathology, London, August 1997.
- g. Visiting Fellowship to Loma Linda University Medical School, California. May-June 1996

XII. CONFERENCES/WORKSHOPS/TRAINING COURSES ATTENDED

- 48th Annual Conference of KCIAPM, KAPCON 2021 Virtual Conference held ONLINE from 01 to 03 October,2021 organized by Karnataka Chapter of Indian Association of Pathologists and Microbiologists.
- *Participation: Online PG Pathology Teaching programme.2020 ongoing*
- *Online Renal Pathology Lecture conducted by Renal Pathology Society, 2020*
- Virtual Oncology Symposium held from October 20 to November 6, 2020- Improving Oncology Patient Journey at CA&C, Roche.
- Workshop for Pathologists: Biomarkers in Cancer. Roche; Thursday, February 20, 2020. Miami Marriott Dadeland.USA.

- Advances in Multidisciplinary Management of Breast Cancer and Lung Cancer: Driving Evolution through Innovation, Hyatt Regency, Trinidad, September 21-22, 2019.
- Workshop EuroFlow™: Standardization of the diagnosis of leukemia, lymphomas, multiple myeloma and MRD by flow cytometry. Mexico City September 5 & 6, 2019
- The Columbia Renal Biopsy-2nd Annual Postgraduate Medicine Course- Course. New York. July 10 - 13, 2019
- BD FACSCanto™ II Operator Course: Standardization of 8 color panel for onco-haematological diseases 40hs. Eric Williams Medical Science Complex, Trinidad. March 11 to 15, 2019
- ***CARIBBEAN BIOMARKERS WORKSHOP (Roche)-Breast Cancer, Jamaica, May 2017***
- *Workshop on writing mcq, standard setting and developing OSCE station; Feb 2017.*
- “KIDNEY WEEK 2016”: Annual Nephrology meeting/conference. KIDNEY WEEK was scheduled during Nov 15 – Nov 20, 2016
- “Pedagogic and personal effectiveness for Teachers of Audiology and Speech Pathology” Life Long Learning; Medical Education Workshop at Kasturba Medical College, Mangalore.2016
- Heads of Department/Deputy Deans Training 2014, Nov 2014 –Jan 2015
- Cross-Campus Curriculum Retreat; Faculty of Medical Sciences, Mona, Jamaica, **February 7-8, 2014**
- Implementation of the New UWI GPA- CETL, March 27, 2014.
- Technology Training Workshop by Instructional Development Unit, UWI, St. Augustine on Mye-Learning, April, 2012
- Technology Training Workshop by Instructional Development Unit, UWI, St. Augustine on Blended Learning: Using MyeLearning for teaching and Learning, March, 2012.
- Technology Training Workshop by Instructional Development Unit, UWI, St. Augustine on Blended Learning: Podcasting, Feb 2012.
- V Annual Conference Caribbean Society on Oncology and Haematology, May, 2011, Hyatt Regency, Trinidad.

- Regional workshop II– Hematopathology and Oncology 2011, San Jose, Costa Rica, March 3-5, 2011.
- “The Surgeon’s Perspective in Her 2+ Breast Cancer” Scientific activity, Feb 2011, Trinidad.
- Workshop on Leadership by Mr.Nigel Wall. November 2010.
- Workshop on Dramatics in Teaching/Learning at Manipal University-2010.
- Workshop entitled “Teaching Dossier/Portfolio Development”, UWI, St.Augustine. April 2010.
- Workshop on “Assessing Students in Problem-Based Learning” CMSE, UWI, St.Augustine, September 2009.
- Curriculum development workshop at Manipal Academy of Higher Education, India in 2008.
- Nephrology Seminar and Workshop at EWMSC. Workshop organized by Department of Pathology/Microbiology, Faculty of Medical Sciences in Collaboration with NCRHA and Ministry of Health. September 2005.
- 50th CHRC annual council and scientific meeting, Tobago April 20-23, 2005.
- Training and Workshop on Electron Microscopy, EWMSC, 1998 & 2000.
- California Tumor Tissue Conference on soft Tissue Tumour Pathology, Costa Mesa, San-Diego, California, June 1996.
- Workshop on Laboratory Safety, CAREC, Mount Hope, Trinidad. December 12 – 14, 1995.
- IAPM Annual Conference and CME – Workshop on LYMPHOMAS. Karnataka Chapter – J.S.S. Medical College, Mysore, August 1994
- CME in Family Medicine (Member of panel discussion on Anemias); KMC, Manipal 1991.
- International Workshop on the Diagnosis and Management. Hemophilia, CMC, Vellore, Nov.1990.
- Advanced H-1 Operations Training, Singapore August 1989.
- H-1 Operators Training, Singapore, May 1989.

- 32nd Annual Conference of Indian Society of Haematology and Blood Transfusion- Workshop on Bone Marrow Examination. CMC, Vellore. Dec.1991.
- Haemato-oncology Workshop at Tata Memorial Cancer Center. Bombay, Nov.1989.
- ICMR Workshop on the diagnosis and management of Haemophilia. CMC, Vellore, Nov, 1988

XIII PUBLIC SERVICE

- a) Chairman of Advisory Committee for MLT Programme (COSTAATT): (College of Science Technology and Applied Arts of Trinidad and Tobago) **2003 to 2011**
- b) Member of Advisory Committee for MLT programme at COSTAATT- 2002-2003
- c) Consultant North West/Central Regional Health Authority **1996-to date**
Provide Diagnostic Anatomical Pathology:
 - Histopathology
 - Autopsies
 - Cytology
- d) First time in the history, EWMSC Laboratory has achieved Accreditation under my leadership in December 2019.
- e) First time in Trinidad, I have started providing Flow Cytometry service to the public for patients with Leukemias, which immensely benefits timely management of patients.
- f) I also co-ordinated pap smear cytological screening for cervical cancer: “The Great Pap Smear Initiative of NCRHA on three occasions: 2018-2019.
- g) Participated in Prostate Cancer Screening under “Male Health Initiative” by NCRHA
- h) Faculty Advisor to The Pathology Club of UWI since 2020:

Mission: The Pathology Club of UWI has a mission to increase student’s awareness of and interest in pathology and foster relationships between students and experts in the various fields and subspecialties of pathology through education, mentorship and research opportunities. Our vision is to foster Caribbean medical student’s interest in pathology and provide support to those aspiring to specialize in pathology across the Medical Faculties of the St. Augustine, Mona and Cave Hill campuses.

- i) President: Pathology Society of Trinidad and Tobago.

XIV. MEMBERSHIP

American Society for Clinical Pathology (ASCP): 2014

Renal Pathology Society, 2015 to date

American Society of Nephrology 2020